

CLAIMS

1. The use of lithium glycerophosphate for treating structures made of a cement-based product and having
5 steel rebars, making it possible to inhibit rebar corrosion, to prevent the alkali reaction and to avoid the presence of alkalis and sulfates in the structure.

2. A method of treating a structure, which comprises
10 the following step:

- a composition containing lithium glycerophosphate is brought onto the structure or into the structure.

15 3. The treatment method as claimed in claim 2 and intended for treating a structure made from a cement-based product, which comprises the following step:

- the structure is impregnated with a composition containing lithium glycerophosphate.

4. The method as claimed in claim 3, wherein the composition is an aqueous solution.

25 5. The method as claimed in either of claims 3 and 4, wherein the structure is impregnated with the composition by applying it to its surface.

30 6. The method as claimed in one of claims 3 to 5, wherein the amount of lithium glycerophosphate applied is from 0.003 to 3 mol/m².

35 7. The method as claimed in one of claims 3 to 6, wherein the composition is applied using a brush, a roller or a spray device.

8. The treatment method as claimed in claim 2 and intended to inhibit the corrosion on steel rebars of a

structure which are exposed to the open air, which comprises the following step:

- the rebars are covered with a paint containing lithium glycerophosphate.

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9. The method as claimed in claim 8, wherein the paint is an aqueous-based paint.

10. The treatment method as claimed in claim 2 and intended for treating a cement-based paste intended for immobilizing steel rebars in order to form a structure, which comprises the following step:

15 - a composition containing lithium glycerophosphate is incorporated into the not-yet solidified paste of cement-based product.

11. The method as claimed in claim 10, wherein between 0.001% and 1% lithium glycerophosphate is incorporated into the paste.

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12. The method as claimed in either of claims 10 and 11, wherein the composition is an aqueous solution.

25 13. A structure obtained by the method as claimed in one of claims 2 to 12.